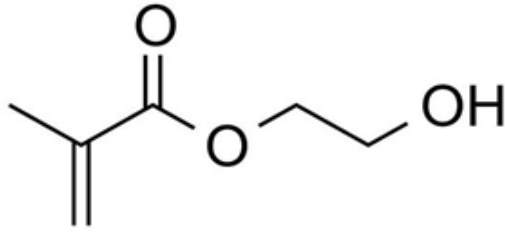

2-HYDROXYETHYL METHACRYLATE (2-HEMA)



IUPAC NAME: 2-hydroxyethyl 2-methylprop-2-enoate

CHEMICAL FORMULA: C₆H₁₀O₃, CC(=C)C(=O)OCCO

CAS NO: 868-77-9

MOLECULAR WEIGHT: 130.14 g/mol

PACKING: Barrel, 200 kg

PRODUCT DESCRIPTION:

2-Hydroxyethyl Methacrylate (2-HEMA) is an ester of Methacrylic Acid and is used as a raw material in the synthesis of polymers. 2-Hydroxyethyl Methacrylate (2-HEMA) can form homopolymers and copolymers. Its copolymers can be prepared with (meth)acrylic acid and its salts, amides, and esters, as well as with (meth)acrylates, acrylonitrile, maleic acid esters, vinyl acetate, vinyl chloride, vinylidene chloride, styrene, butadiene, and other monomers.

PROPERTIES:

- Chemical resistance
- hydraulic stability
- flexibility
- impact resistance
- adhesion
- weather resistance

APPLICATION AREAS:

2-Hydroxyethyl Methacrylate (2-HEMA) is used in the preparation of solid polymers, acrylic dispersions, and polymer solutions used in various industries.

IT IS APPLIED IN THE PRODUCTION OF:

- Coating resins
- automotive coatings
- architectural coatings
- paper coatings
- industrial coatings
- Plastics
- hygiene products
- adhesives and sealants
- textile processes
- printing inks
- contact lenses
- modifiers
- photosensitive materials
- additives for petroleum production and transportation


CHEMICAL PROPERTIES

PURITY	min. 98.0 %
ACİD CONTENT	max. 1.0 %
MOİSTURE AMOUNT	max. 0.3 %
COLOUR (APHA)	max. 30
INHIBITOR	250 ± 50 ppm MEHQ

PHYSICAL PROPERTIES

APPEARANCE	Colorless
PHYSICAL STATE	Liquid
ODOR	Aromatic Odor
DENSITY	1.073 g/mL at 25°C
BOILING POINT	211 °C
FREEZING POINT	- 12 °C
FLASH POINT	96 °C
VISCOSITY	6.8 (mPa.s) at 20 °C
VAPOR PRESSURE	0.065 hPa

SAFETY INFORMATION

HAZARD PICTOGRAM(S)	
HAZARD STATEMENT(S)	<p>H319 - Causes serious eye irritation</p> <p>H315 - Causes skin irritation</p> <p>H317 - May cause an allergic skin reaction</p>
RISK PHRASES	<p>R36/38- can cause eye and skin irritation</p> <p>R43- may cause sensibility after contact with skin.</p>
PRECAUTIONARY STATEMENT(S)	<p>P280 - Wear protective gloves, eye protection, face protection</p> <p>P264 - Wash hands thoroughly after handling</p> <p>P321 - Specific treatment (see information on this label)</p> <p>P333+P313 - If skin irritation or rash occurs: Get medical advice/attention</p> <p>P362 - Take off contaminated clothing and wash before reuse</p> <p>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing</p>
STORAGE CLASS	<p>Storage class (TRGS 510): 10: Combustible liquids</p>
STORAGE CONDITIONS	<p>Store in a cool area. Store in a dark area. Keep out of direct sunlight. Ventilation at floor level. Provide the tank with earthing. Limited time of storage. Keep under air (oxygen). Meet the legal requirements.</p> <p>KEEP SUBSTANCE AWAY FROM: heat sources, oxidizing agents. (strong) acids. (strong) bases. Peroxides.</p> <p>Store at < 30 °C</p>
DISPOSAL	<p>Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly.</p>

**TRANSPORT
INFORMATION**

No dangerous good in sense of transport regulations

For more information, check the SAFETY DATA SHEET or get contact with us.